



# Cannabis Production and Processing Operations

## MANAGING AIR EMISSIONS

**Julie Saxton PhD P.Chem.**

AIR QUALITY PLANNER

**Esther Bérubé P.Eng.**

DIVISION MANAGER, BYLAW & REGULATION DEVELOPMENT, AIR QUALITY AND CLIMATE CHANGE

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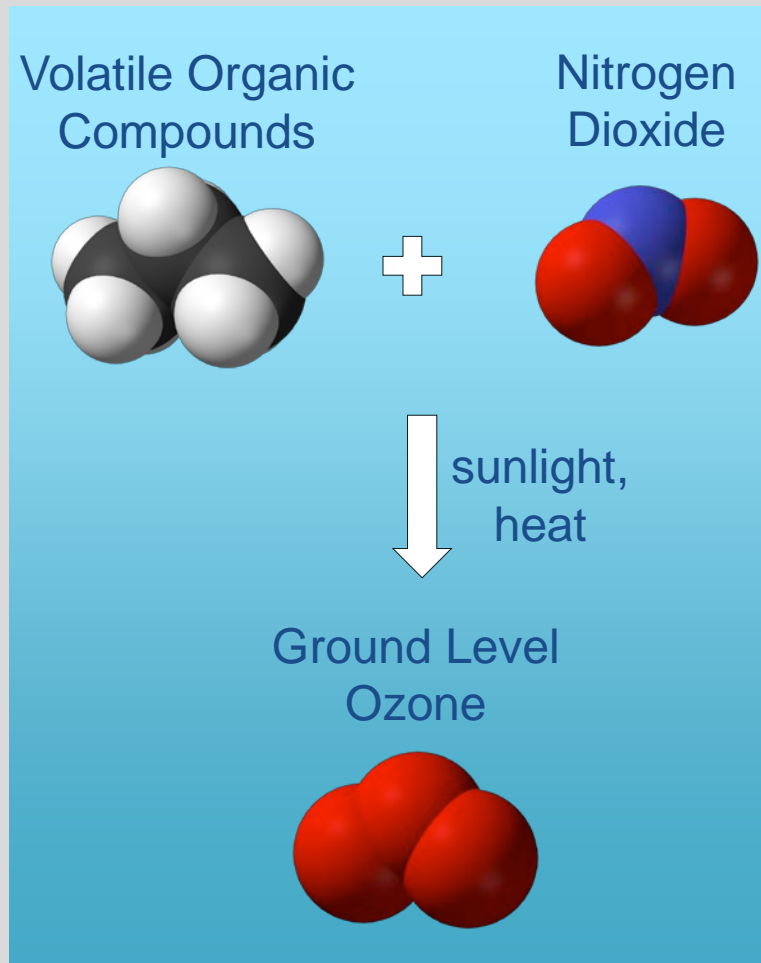


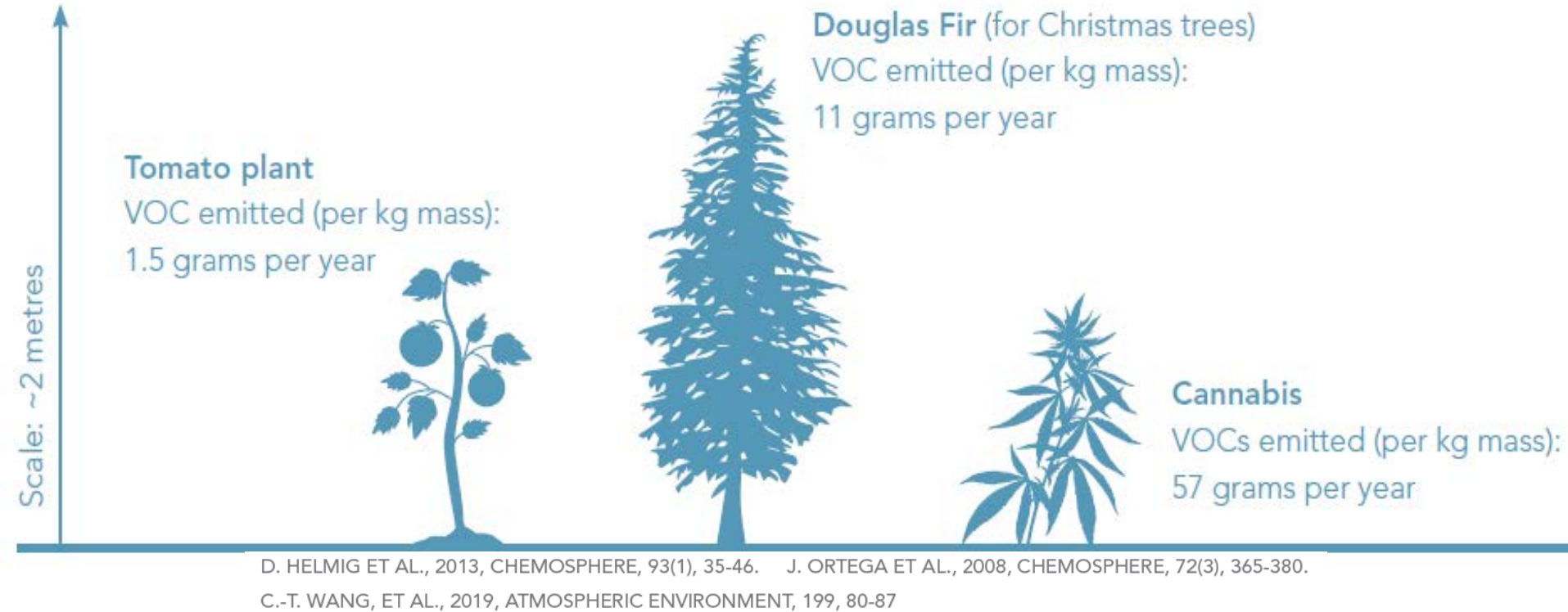
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# Potential Health and Environmental Issues

## Volatile organic compounds

- Ground-level ozone formation
- Particulate matter formation
- Odorous air contaminants

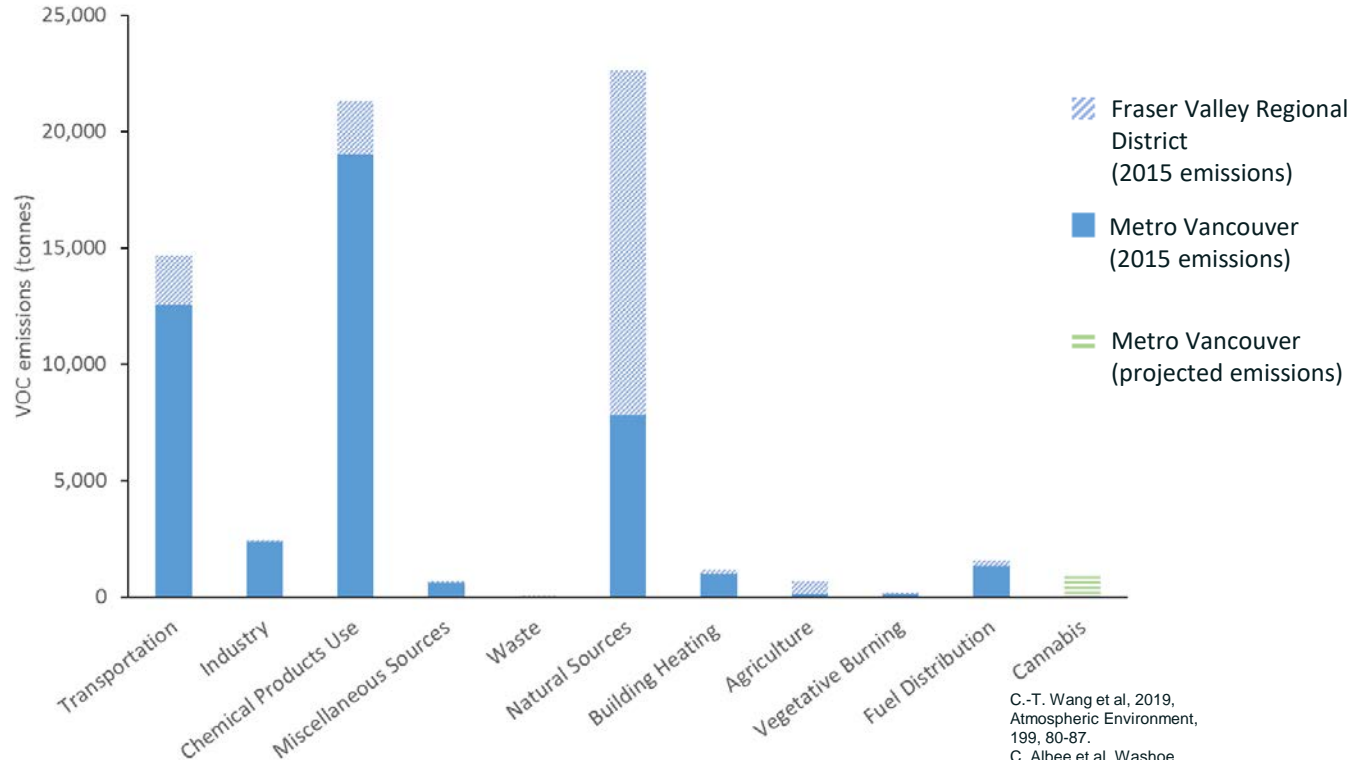




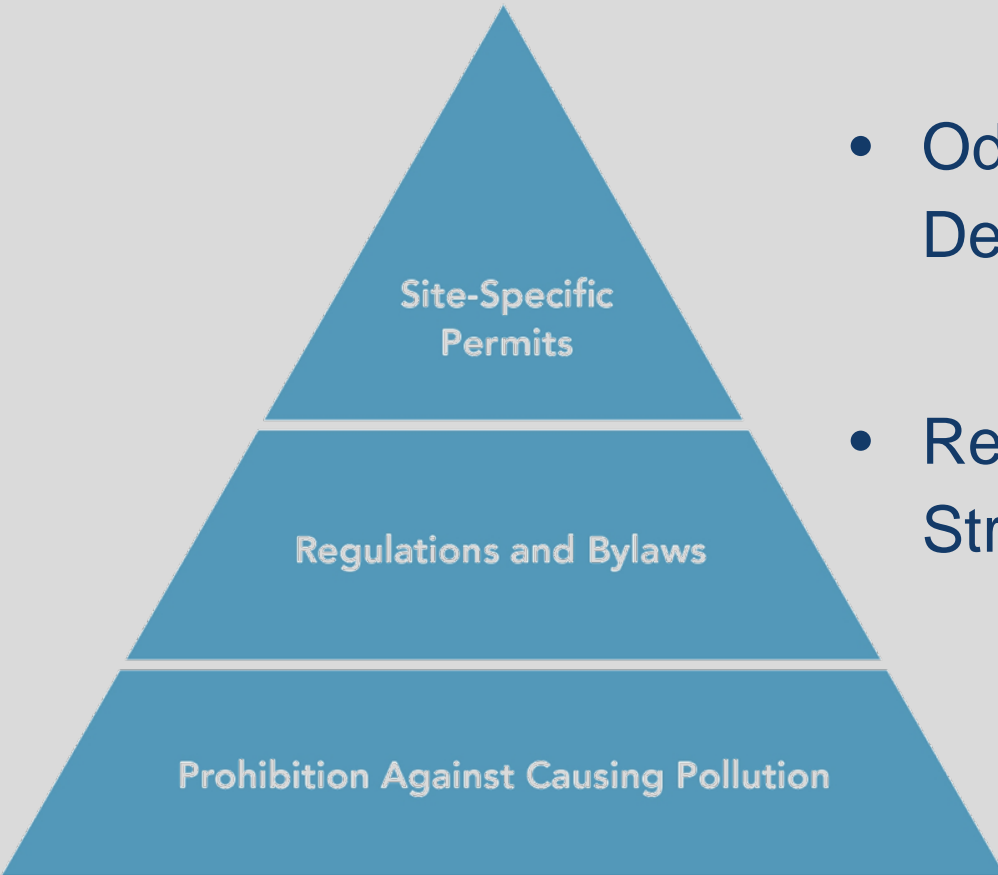
# Example Emissions from Regional Crops

# VOC Emissions Comparison

Emissions of volatile organic compounds in the Canadian Lower Fraser Valley by sector compared to projected potential range of emissions from cannabis production in Metro Vancouver



# Policy Drivers



- Odour Management Policy Development Plan
- Regional Ground-Level Ozone Strategy

# Managing Air Contaminants

Substances emitted into the air capable of

- Injuring health or safety
- Injuring property or any life form
- Interfering with visibility
- Interfering with the normal conduct of business
- Causing material physical discomfort
- Damaging the environment





# Emission Management Approaches

- Emissions released at the facility
- Concentrations beyond the facility
- Technology and management practices
- Measurement, monitoring and reporting
- Economic instruments

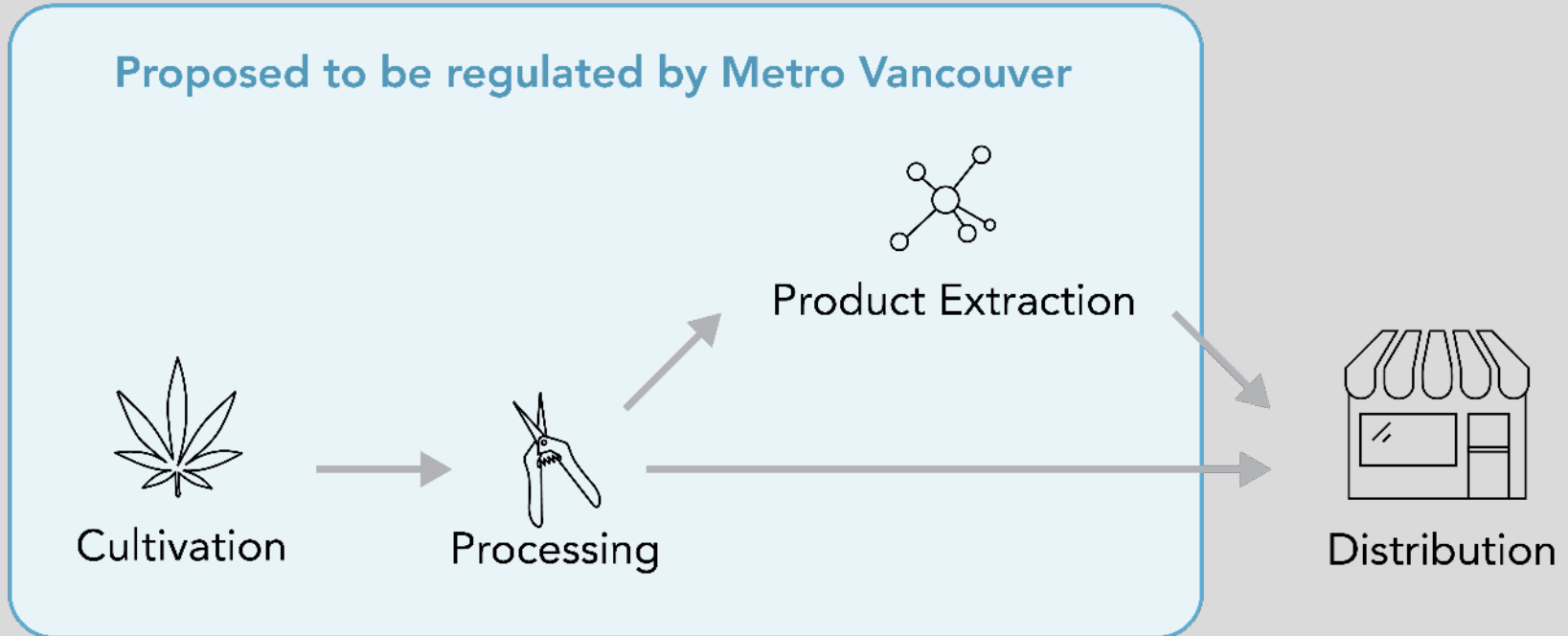
# Emission Management for Cannabis Production

- Emission Regulations
  - Agricultural Boilers
- Site-specific Permits
  - Cannabis cultivation
  - Reciprocating engines





# Scope of Potential Regulation



# Potential Regulation

Measures controlling what is discharged:

- Enclosing or containing key emissions sources
- Treating air with activated carbon
- Limiting additional VOC sources

# Potential Regulation

Measures controlling how discharges can occur:

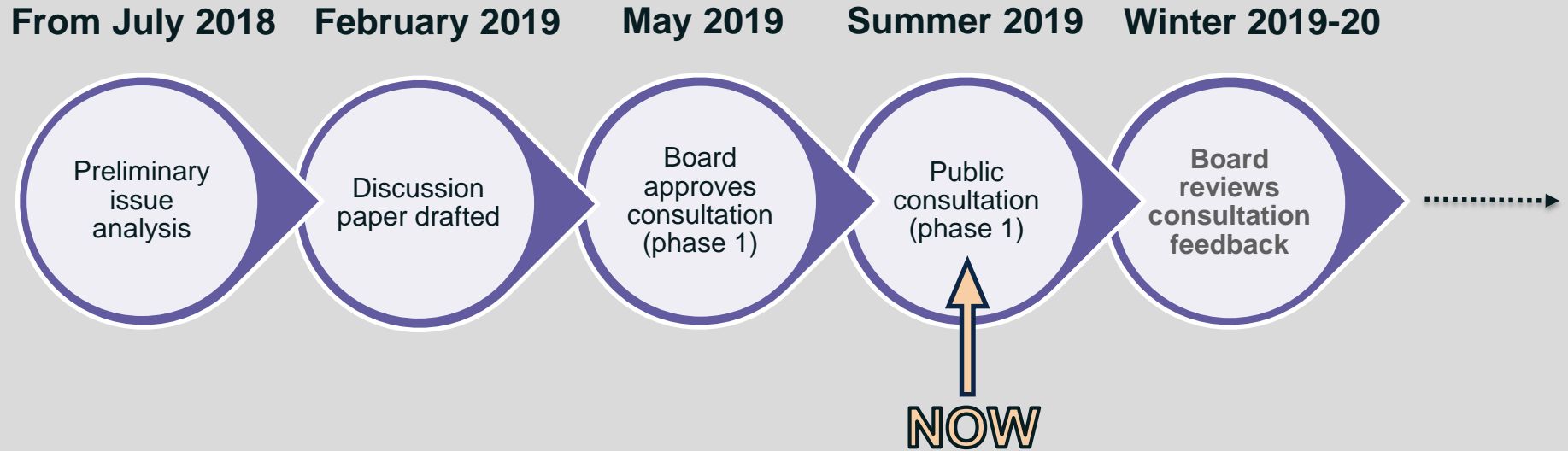
- Preventing the release of fugitive or uncontrolled emissions
- Minimizing risk during airshed air quality degradation
- Preventing impacts near sensitive receptors

# Supporting Provisions

Measures providing evidence of effectiveness:

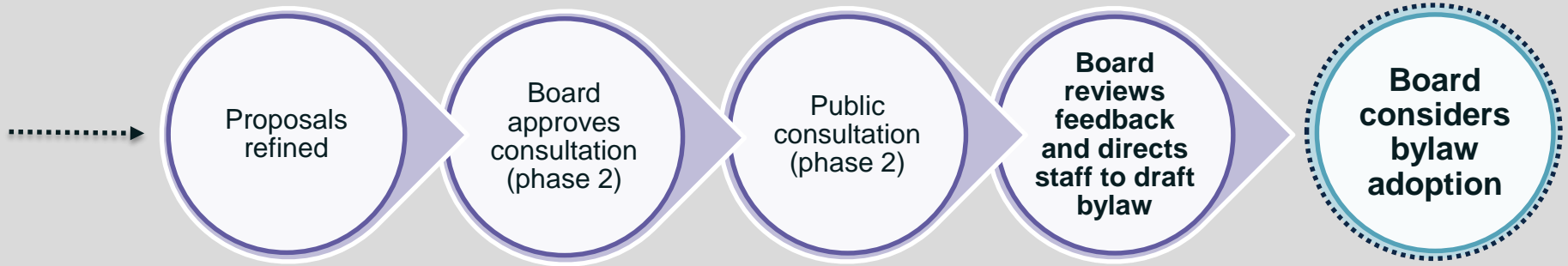
- Approved emissions management plan
- Monitoring for odorous air contaminants beyond property boundary
- Compliance with other applicable regulatory requirements
- Record keeping

# Timeline – Phase 1 of Consultation



# Timeline – Phase 2 of Consultation

## Potential future steps





# Feedback Options

- In person
  - Meetings
  - Site visits
- Webinars
- Online and printed questionnaires
- Contact us at 604-432-6200 or [AQBylaw@metrovancover.org](mailto:AQBylaw@metrovancover.org)



Questions?



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